UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

Forest Pest Management
Box 5895, Asheville, N. C. 28803

REPLY TO: 5230 Evaluation July 29, 1975

SUBJECT: Beech Creek Seed Orchard

TO: Forest Supervisor, NFs in NC
Attention: Walt Smith

On June 20, 1975, a 2-percent survey was conducted of the white pine (Pinus strobus) source on the Beech Creek Seed Orchard near Murphy, N. C., by personnel of the Forest Pest Management Group and seed orchard personnel.

The survey indicated severe losses of 2nd year white pine cones. About 78 percent of the cones on the trees as of June 20 were either dead or attacked by insects. I estimate that the Beech Creek Seed Orchard lost 27.15 bushels of cones to white pine cone beetles and 11.72 bushels to an unknown insect tentatively identified as Eucosma sp. Only 11.21 bushels of cones appeared to be healthy on June 20. The combined insect losses accounted for at least 38.87 bushels of white pine cones on this seed orchard.

Losses to conelets appear to be light. Attacks by unknown insects were observed on the newly developing stems. These attacks have been tentatively identified as Eucosma sp. The survey indicated that the healthy conelets as of June 20 could yield in 1976 a potential 138.20 bushels of cones.

It should be noted that some conelets and cones may have been attacked and fallen off the trees prior to the survey on June 20. The data reflect only conelets and cones present on June 20.

No chemicals are registered for white pine cone beetle. Preliminary tests in the Southeast indicate that Furadan shows promise against the pest.

If I can be of any further assistance to you, please contact me.

Larry R Barber
LARRY R. BARBER
Entomologist

cc: Eddie Manchester